

CLAIMS

What is claimed is:

- 1 1. A method, comprising:
2 providing binary information to be transferred in synchronizing a server and a
3 synchronization client associated with a handheld device;
4 compressing the binary information;
5 encoding compressed binary information using a text encoder;
6 encoding text encoded information according to a protocol associated with a
7 connection between the server and the synchronization client.
- 1 2. The method of claim 1, wherein the binary information is compressed using a
2 Zip compression utility.
- 1 3. The method of claim 1, wherein the text encoder comprises a Base-64
2 encoder.
- 1 4. The method of claim 1, wherein the protocol is the hypertext transfer protocol.
- 1 5. The method of claim 1, wherein the binary information comprises database
2 data stored on the server.
- 1 6. The method of claim 1, wherein the binary information comprises metadata
2 stored on the server.

1 7. The method of claim 1, wherein the binary information comprises transaction
2 information stored on the handheld device.

1 8. The method of claim 1, wherein providing the binary information to be
2 transferred further comprises parsing the binary information into smaller units.

1 9. An apparatus, comprising:
2 means for providing binary information to be transferred in synchronizing a
3 server and a synchronization client associated with a handheld device;
4 means for compressing the binary information;
5 means for text encoding compressed binary information;
6 means for encoding text encoded information according to a protocol
7 associated with a connection between the server and the synchronization client.

1 10. The apparatus of claim 9, wherein the means for compressing binary
2 information comprises a Zip compression utility.

1 11. The apparatus of claim 9, wherein the means for text encoding comprises a
2 Base-64 encoder.

1 12. The apparatus of claim 9, wherein the protocol is the hypertext transfer
2 protocol.

1 13. The apparatus of claim 9, wherein the binary information comprises database
2 data stored on the server.

1 14. The apparatus of claim 9, wherein the binary information comprises metadata
2 stored on the server.

1 15. The apparatus of claim 9, wherein the binary information comprises
2 transaction information stored on the handheld device.

1 16. The apparatus of claim 9, wherein the means for providing binary information
2 to be transferred further comprises means for parsing the binary information into
3 smaller units.

1 17. A machine-readable medium having stored thereon a plurality of instructions
2 that when executed by a server cause the server to perform operations comprising:
3 providing binary information to be transferred in synchronizing the server and
4 a synchronization client associated with a handheld device:
5 compressing the binary information;
6 encoding compressed binary information using a text encoder;
7 encoding text encoded information according to a protocol associated with a
8 connection between the server and the synchronization client.

1 18. The machine-readable medium of claim 17, wherein the binary information is
2 compressed using a Zip compression utility.

1 19. The machine-readable medium of claim 17, wherein the text encoder
2 comprises a Base-64 encoder.

20. The machine-readable medium of claim 17, wherein the protocol is the
hypertext transfer protocol.

21. The machine-readable medium of claim 17, wherein the binary information
comprises database data stored on the server.

22. The machine-readable medium of claim 17, wherein the binary information
comprises metadata stored on the server.

23. The machine-readable medium of claim 17, wherein providing the binary
information to be transferred further comprises parsing the binary information into
smaller units.

24. A machine-readable medium having stored thereon a plurality of instructions
that when executed by a handheld device cause the handheld device to perform
operations comprising:

providing binary information to be transferred in synchronizing a server and a
synchronization client associated with the handheld device:

compressing the binary information;

encoding compressed binary information using a text encoder;

encoding text encoded information according to a protocol associated with a
connection between the server and the synchronization client.

25. The machine-readable medium of claim 24, wherein the binary information
comprises transaction information stored on the handheld device.

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1 26. The machine-readable medium of claim 24, wherein providing the binary
2 information to be transferred further comprises parsing the binary information into
3 smaller units.

1 27. A handheld device, comprising:
2 a memory;
3 a local database stored in the memory;
4 a user interface coupled to the local database;
5 a transaction recorder coupled to the local database, wherein the transaction
6 recorder to record information related to changes made to the local database by a
7 user of the handheld device via the user interface; and
8 a data importer coupled to the local database, wherein the data importer to
9 decompress database data receivable from a separate computing device to
10 synchronize the local database with the separate computing device, the database
11 data being binary information that the separate computing device:
12 compressed,
13 encoded using a text encoder, and
14 encoded according to a protocol associated with a connection between
15 the separate computing device and the handheld device

1 28. The handheld device of claim 27, wherein the binary information is
2 compressed using a Zip compression utility.

1 29. The handheld device of claim 27, wherein the text encoder comprises a
2 Base-64 encoder.

1 30. The handheld device of claim 27, wherein the protocol is the hypertext
2 transfer protocol.

1 31. The handheld device of claim 27, wherein the binary information comprises
2 database data stored on a server.

1 32. The handheld device of claim 27, wherein the binary information comprises
2 metadata stored on a server.

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